

# ***Practical Software & Systems Measurement***

## ***The Insight Tool***

***Desktop Implementation of the Practical Software  
and Systems Measurement (PSM) Process***



**Don Scott Lucero  
Program Manager  
Army Software Metrics Office  
Alexandria, Virginia**

**[LuceroDon@atec.army.mil](mailto:LuceroDon@atec.army.mil) 703-681-0895**

**Dave Morris  
Independent Engineering, Inc.  
Potomac Falls, Virginia**

**[dmorris@iei.nasbroadband.com](mailto:dmorris@iei.nasbroadband.com) 703-406-4268**

# ***Practical Software & Systems Measurement***

## ***PSM Insight***

### ***Desktop Implementation of the PSM Process***

- ***Overview - What is PSM Insight?***
- ***Tailoring a Measurement Program with PSM Insight***
- ***Insight Highlights & Benefits***

# ***What is PSM Insight?***

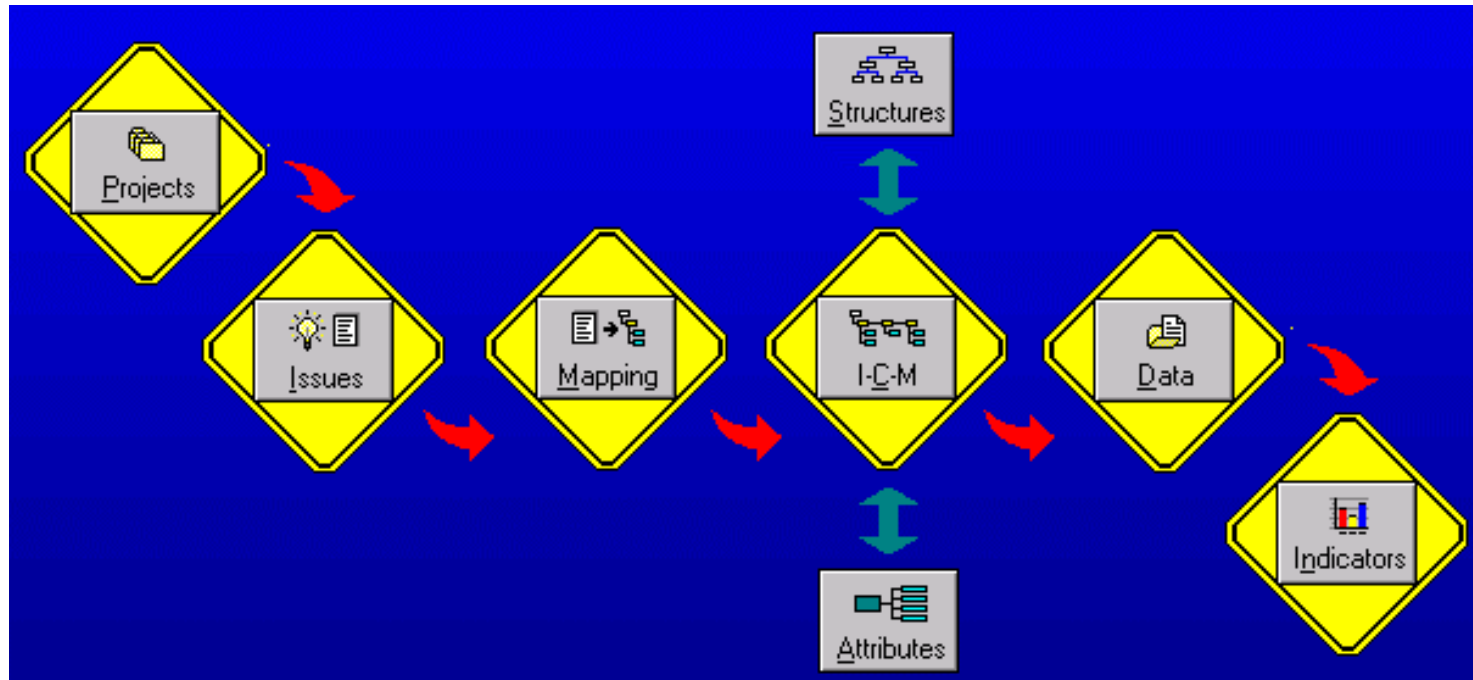
- ***The Insight tool implements the Army's issue-driven software measurement policy and the PSM process***
- ***The tool supports tailoring and controlling the data needed to implement an effective software and systems measurement program***

### ***What is PSM Insight?***

- ***PC-based software tool that automates the PSM process***
- ***Insight includes tailoring, data entry, and analysis functions to help you develop a project-specific software measurement database and analyses***
- ***Templates for commonly-used issues and measures***
- ***Completely flexible for you to customize analysis to project-specific needs***

# *Practical Software & Systems Measurement*

## *Roadmap of PSM Insight*



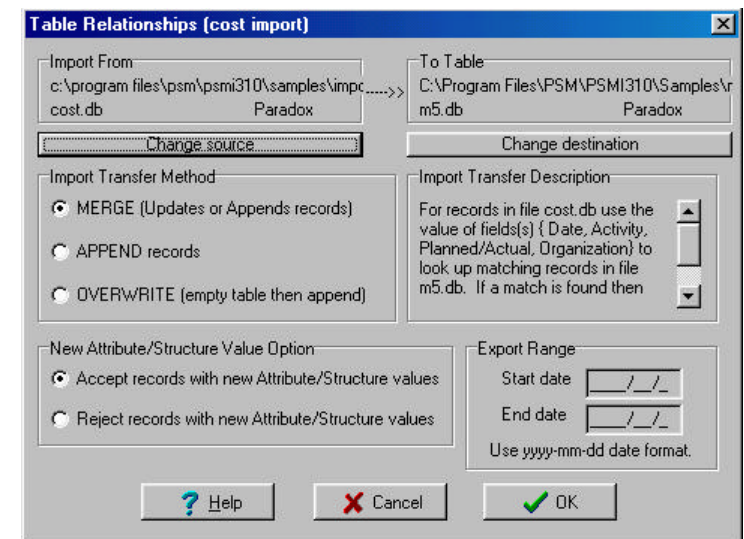
## ***Practical Software & Systems Measurement***

# ***Tailoring a Measurement Program with PSM Insight***

- Flexibility to define project-specific issues, categories, and measures***

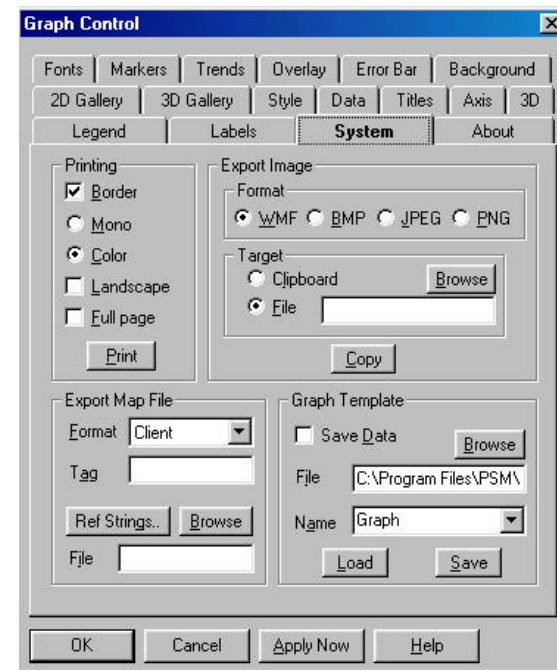
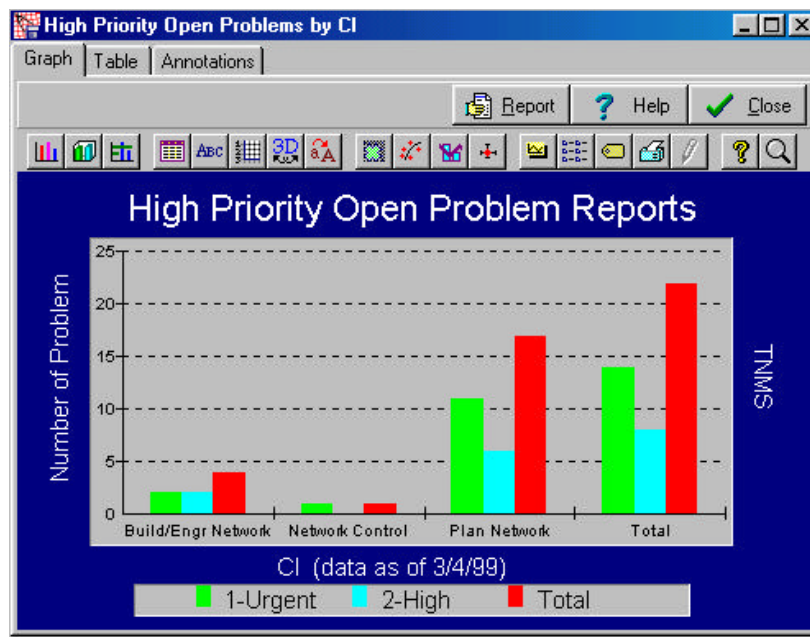


- Use data from existing software and systems development processes***



# Tailoring a Measurement Program with PSM Insight

- Users can view graphic displays of the measurement data



## ***Insight Highlights & Benefits***

- ***IT'S FREE!***
- ***Support V4.0 of the PSM Guide to address systems engineering measurement programs***
- ***Import and export electronic measurement data***
- ***Customization to project-specific needs***
- ***Templates of commonly-used issues, measures, and indicators from best practices***
- ***Objective data for informed decision making***



## ***Insight Highlights & Benefits***

- ***Flexible data definitions and analysis tools***
- ***Presentation-quality graphs and reports***
- ***Ease of use in tracking complex projects***
- ***Online help system, user's manual, and interactive training program***

## ***Features That Are New Since Version 4.0.1***

- ***You can now create an indicator using more than one measure. You can also calculate an indicator series using data items from different measures.***
- ***You can now import data directly from an Excel XLS spreadsheet.***

# *Practical Software & Systems Measurement*

## *Features That Are New Since Version 4.0.1*

- *PSM Insight includes a new indicator type, a software reliability indicator. This indicator creates a data file that can be used as input for the SMERFS3 reliability software package, developed by Dr. William Farr at the Naval Surface Warfare Center in Dahlgren, Virginia. SMERFS3 is included free with PSM Insight, and is automatically installed in a subdirectory under the PSM Insight directory.*

# *Practical Software & Systems Measurement*

## ***Features That Are New Since Version 4.0.1***

- *When you import a large data set, PSM Insight now provides an option to limit the import to a range of incoming records.*
- *PSM Insight includes many new shortcuts. All Lists include a right-click menu with button shortcuts and list management/sorting features. All Assign dialogs include a similar right-click menu. Several keyboard shortcuts have been added to PSM Insight functions.*

### ***Insight Future Releases***

- ***PSM Insight will implement a Measurement Planning Template. Users will have the capability to define detailed measurement plans that support their organization.***
- ***PSM Insight will evolve to an Enterprise/Organizational level measurement tool.***
- ***Indicator and analysis capabilities within a web browser.***

## ***Insight Future Releases***

- ***Terminology will reflect ISO STD 15939.***
- ***Further integration of SMERFS3 and Insight.***
- ***Support for the Army Schedule Measure and Indicator.***

# *Practical Software & Systems Measurement*

## *Insight Demonstration*



***Insight 4.1***



***Users Manual***



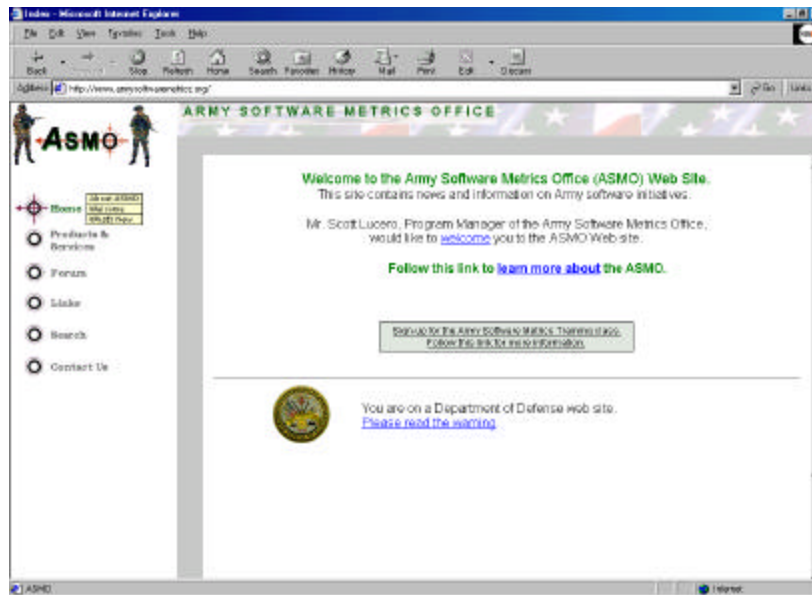
***Electronic Import/Export***



# Practical Software & Systems Measurement

## Questions/Comments

[www.ArmySoftwareMetrics.org](http://www.ArmySoftwareMetrics.org)

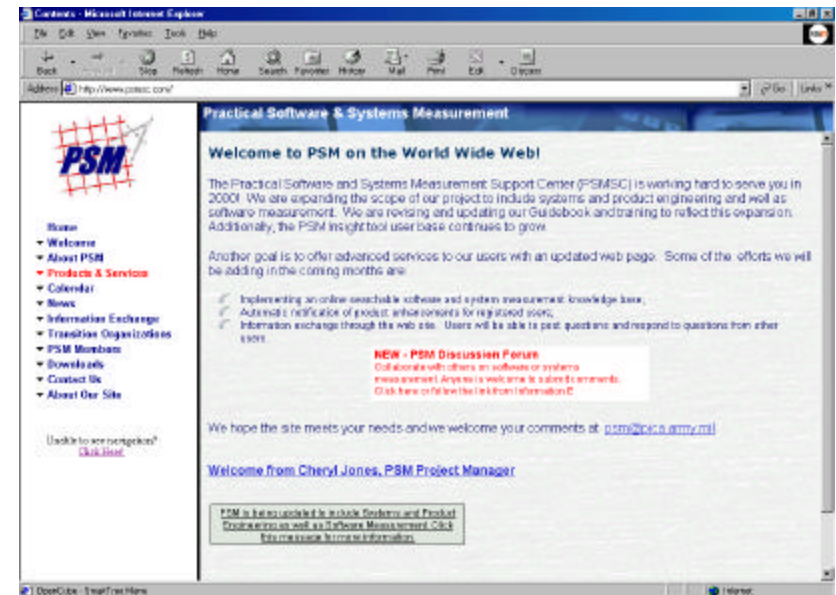


**Don Scott Lucero**

**[LuceroDon@atec.army.mil](mailto:LuceroDon@atec.army.mil)**

**703-681-0895**

[www.psmcsc.com](http://www.psmcsc.com)



**Dave Morris**

**[dmorris@iei.nasbroadband.com](mailto:dmorris@iei.nasbroadband.com)**

**703-406-4268**